

SKY Research BAe J-31 (NASA contracted)

Project: INTEX-NA (<http://cloud1.arc.nasa.gov/intex-na/>) and NEAQS-ITCT 2004 (<http://www.al.noaa.gov/2004/>)



Research Areas: Aerosol radiative effects, satellite validation, aerosol absorbing fraction spectra, cloud-top albedo and aerosol optical depth spectra, tests of closure and of chemical-transport models, regional radiative forcing

Flight Hours: 50 hrs at Pease

Deployment: July 12 – August 8, 2004

FBO: Pease International Tradeport Airport, Portsmouth, NH

Operating Theater: within ~400 nm

Science Payload:

Parameter	Method	PIs
Aerosol Optical Depth (13 wavelengths, 353-2139 nm), Water vapor column content	Tracking Sunphotometer (AATS-14)	P. Russell, B. Schmid, J. Redemann, NASA Ames/BAERI
Solar Spectral Irradiance	Solar Spectral Flux Radiometer (SSFR)	P. Pilewskie, NASA Ames
Temperature, Relative humidity, Dew point temperature	Vaisala HMP 243	W. Gore, J. Eilers, NASA Ames
Pressure	Setra Model 470	W. Gore, J. Eilers, NASA Ames
Position, Orientation	Applanix POS AV	W. Gore, J. Eilers, R. Dominguez, NASA Ames/SAIC

Aircraft facility: <http://www.skyresearchinc.com/index.html>
<http://www.skyresearchinc.com/aircraft/>